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Carbon dioxide adsorption separation from dry and humid CO₂/N₂ mixture

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Highlights

- Experimental and numerical Adsorption separation of CO₂ from dry and humid CO₂/N₂ mixture.
- Water vapor could significantly reduce CO₂ adsorption capacity at high H₂O molar fractions.
- CO₂ uptake is fairly unaffected for low water vapor contents in the CO₂/N₂ mixtures.

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